

TFW 1746

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

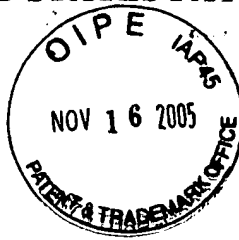
In re Patent Application of

YAMAMOTO, N. et al.

Serial No. 10/087,994

Filed: March 5, 2002

For: POLYMER ELECTROLYTE FUEL CELL



Atty. Ref.: 900-420

Group: 1746

Examiner: Crepeau, J.

\* \* \* \* \*

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

- ☐ 1. **PTO-1449 Pursuant to 37 CFR 1.97(b)**  
[within 3 months of filing or prior to 1st Office Action] N/C
- ☐ 2. **Statement Pursuant to 37 CFR 1.97(c)**  
[before Final Office Action or Allowance] N/C
- ☒ 3. **Fee Payment Pursuant to 37 CFR 1.97(c)**  
[before Final Office Action or Allowance] \$180.00
- ☐ 4. **Pursuant to 37 CFR 1.97(d)**  
[before Issue Fee payment] \$180.00

The following are submitted in the above-identified application in compliance with 37 C.F.R. §§ 1.97 and 1.98:

- ☒ 5. A list of documents on Form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.
  - ☒ a) The partial translations were provided to the undersigned by the applicants' foreign representative. The undersigned has no knowledge regarding the pertinency of the partially translated portions vis-à-vis the document as a whole. The partial translations are merely provided for whatever convenience they may be.
  - ☒ b) Copies of U.S. Patent Publications are not required and are not attached.

This paper is submitted in accordance with:

11/17/2005 MBEYENE1 00000015 10087994

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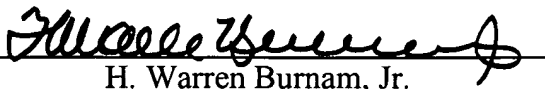
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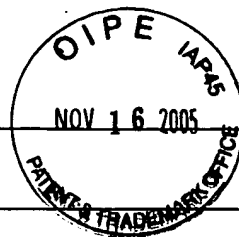
- ☐ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☒ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- ☐ a) The required Statement made in item 9 below; or
- ☒ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- ☐ 8. 37 CFR §1.97(d): [before issue fee payment]; and
- ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is submitted herewith; and
- ☐ b) The required Statement is stated in item 9 below.
- ☐ 9. Statement under 37 CFR 1.97(e)
- ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
- ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 10. Please charge all deficiency fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,  
NIXON & VANDERHYE P.C.

November 16, 2005

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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

NOV 16 2005

SERIAL NO.

900-420

10/087,994

APPLICANT

YAMAMOTO, N. et al.

(Use several sheets if necessary)

FILING DATE

GROUP

March 5, 2002

1746

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,395,521 B1	05/2002	MIURA			
	2002/0127440 A1	09/2002	YAMAMOTO et al.			
	5,834,264	11/1998	SANFORD et al.			
	4,532,210	10/1985	Miura et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	61-205492 A	09/1986	JP			partial
	4-169178 A	06/1992	JP			partial
	8-294396 A	11/1996	JP			partial
	2000-331702 A	11/2000	JP			partial
	58-60992 A	04/1983	JP			
	2002-270209 A	09/2002	JP			
	2-31134 A	2-1990	JP			partial
	10-64572 A	3-1998	JP			partial
	2002-270210 A	9-2002	JP			partial
	11-16588 A	1-1999	JP			partial

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Larsson et al., "Kinetics of Escherichia coli hydrogen production during short term repeated aerobic-anaerobic fluctuation", Bioprocess Engineering, vol. 9, no. 4, 1993, pp. 167-172.
	Tanisho et al., "Fermentative hydrogen evolution by Enterobacter aerogenes strain E. 82005", International Journal of Hydrogen Energy, vol. 12, issue 9, 1987, pp. 623-627.
	Tanisho et al., "Microbial fuel cell using Enterobacter aerogenes", Journal of Electroanalytical Chemistry, vol. 275, 1989, pp. 25-32
	Nandi et al., "Involvement of anaerobic reductases in the spontaneous lysis of formate by immobilized cells of Escherichia coli", Enzyme and Microbial Technology, vol. 19, 1996, pp. 14-16

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)